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# TOTLAND BAY,

ISLE OF WIGHT.

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Report of . . .

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## Meteorological Observations

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FOR THE YEAR 1917,

. . with . .

Extremes & Averages for preceding years.

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By JOHN DOVER,  
M.A., F R.Met.S.

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Isle of Wight :  
The County Press,  
Newport.



# Totland Bay Meteorology, 1917.

THE METEOROLOGICAL STATION is situated at Aston, Totland Bay, Isle of Wight, about midway between Ventnor and Bournemouth. The site is 140 feet above the level of the sea, and about 200 yards from the shore.

Every part of this parish is within a mile of the sea. The parish is irregular in shape, with a boundary line of eight miles. Totland is bounded on the East and North-East by the parish of Freshwater; all the other sides are washed by the waters of the Solent or the English Channel. Although a small parish of about 1332 acres, with a population of 1441 at the last census, it has a long coast-line of about six miles, owing to the curves of Colwell Bay, Totland Bay, Alum Bay, and Scratchells Bay. The sea has a moderating influence on our temperature. In summer we do not get the extreme heat, nor in winter the extreme cold of an inland parish. The sea is at its coldest about the last week of February or first week of March, when its temperature is about  $41^{\circ}$  Fah. The sea does not reach its warmest until the middle of August, when its temperature is up to  $64^{\circ}$  Fah.

During my absence from Totland the readings are taken by Mr. J. B. Garlick. The averages quoted are deduced from readings taken during the last 32 years, except when stated otherwise. Extreme readings are also given, with the dates on which they occurred.

It is somewhat difficult to estimate the wind here, both as to direction and force, owing to the uneven surface of the surrounding country. The Downs to the south are about a mile distant, rising at the Tennyson Memorial Beacon Cross to about 489 feet above the sea. Headon Hill to the south-west is nearly 400 feet high and about half-a-mile away; thus we are somewhat protected from the strong gales, which are usually from the south-west.

With regard to sunshine, it should be remembered that the Campbell-Stokes Burning Recorder registers only "bright sunshine"; weak sunshine is not powerful enough to burn the recording cards. I frequently note that the sky is quite clear at Totland while the New Forest and the valleys of the Avon and Yar Rivers are clothed in vapour. Owing to surrounding objects it is impossible to measure bright sunshine during the last hour before sunset; therefore sunshine at Totland is rather more than I record.

There is a marked absence of thunderstorms at this station; thus we do not often get the opportunity of watching the glories of a near storm. This is accounted for by the line of Downs rising almost perpendicularly from the sea to the South and coming to a fine point at the Needles to the South-West, thus diverting the storms from the South and West, sending them up the Solent or English Channel. In the north and east there are the attractions of the New Forest and Parkhurst Wilderness.

The prevailing winds here are West 76 days, South-West 66 days, North-West 51 days, North-East 49 days of the average year.

Humidity is calculated with Glaisher's Hygrometrical Tables, eighth edition (Saturation = 100).

A fall of one inch of rain is equivalent to 101 tons of water to the acre. One ton of water = 224 gallons.

A day is termed wet if one-hundredth of an inch of rain be recorded.

A day is called foggy if one cannot see two miles—which is rather a stricter test than usual at most stations.

Hurst Castle is two miles almost due north from this meteorological station.

In this year's pamphlet I give the average of each day of the past 32 years' Maximum, Minimum, and Mean Temperatures. The average of each day is calculated to two places of decimals, and entered to the nearest whole number; thus 50.50 Fah. up to 51.49 Fah. would be quoted as  $51^{\circ}$  Fah., while 51.50 Fah. up to 52.49 Fah. would be entered as  $52^{\circ}$  Fah.

In conclusion I may add that I should be glad to receive any corrections or suggestions for the further spread of meteorological knowledge, in case I should have the time to bring out a similar work next year.



## NOTES ON 1917.

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**Barometer.**—The barometrical pressure for the year averaged 30.018 inches, which is not far from the normal. The highest point observed during the year was 30.712 inches on 16th March, 1917. Very few days in a course of 30 years show a reading above 30.7 inches. This March 16th with S.E. wind was exceptionally cold with a temperature on the grass of 11.3 Fah. and only 1.5 hours of bright sunshine; the clouds came from the North. The day before was brilliant with over 7 hours of bright sunshine, and the day after brighter still with almost 8 hours of sunshine. The lowest point touched by the barometer during the year was 28.890 inches on January 8th. This low reading at 2 p.m. was accompanied by a Westerly gale. The sky before the gale was exceptionally clear, Saturn being visible at 8 a.m. For the month of August the barometrical pressure was almost uniformly low, with generally bad weather of a mixed variety of fog, thunder, gales, and heavy rain—over an inch of rain fell on one day in the last week accompanied by a low pressure of almost exactly 29 inches.

**Wind.**—The direction of the wind for this year was mainly from the West on 70 days, the South-West on 68 days, and North-West on 57 days. The wind came from the South on only 14 days of the year. During the year 39 days were calm, while on 12 days only did the wind get up to the force of a gale. October was a breezy month with a total of 8920 miles of wind. On four October days the amount of each was over 500 miles. The quietest month was February, with a total of only 3520 miles of wind. February 21st was exceptionally calm, with fog and only 8 miles of wind for the entire 24 hours of the day.

**Atmosphere.**—The air during 1917 was somewhat drier than usual. The first 4 months started in a very dry way, especially January and April. However, the 3rd quarter of the year tried to readjust matters by being exceptionally damp, notably August and September. The actually driest day of the year was July 7th, with a dry bulb reading of 71.8 and wet bulb 57.4, giving a relative humidity of 41 per cent. This dry reading was shortly after followed by a solar halo, and then a thunderstorm within half a mile with a quick heavy downpour of 1.31 inches of rain. February 5th was also exceptionally dry, with a low temperature. For this date the dry bulb reading was 23.9 Fah. and the wet bulb 21.1 Fah., showing a relative humidity of 42 per cent. This was with a North wind. The day was cloudless, so also the succeeding 5 days, with slight N.E. winds prevailing. There was a remarkable total of over 42 hours of bright sunshine for the 6 days, Monday—Saturday, of this week early in February. The entire year gave us 20 solar halos, only 5 lunar halos, lightning on 7 days, thunder on 11 days, hail on 7 days. Fog occurred more often than usual on no less than 31 days. Snow fell on 28 days, which is far more than our average number of 10 days for the year. A solar pillar was seen on February 2nd in the afternoon after a slight snow.

**Temperature.**—The year as a whole was somewhat chilly, the days being 1.8 degrees and the nights 1.2 degrees colder than usual. March and April were colder than any preceding March and April for the past 31 years. March this year was colder than the average January or February. During the year temperature in the screen varied from 21.7 Fah. on February 5th to 82.1 Fah. on June 17th. On the grass the lowest point touched was 11.7 Fah. on February 5th. The warmest day of a year seldom comes so early as June 17th. The latest spring frost in the screen occurred on April 7th; while on the grass a spring frost was last seen on April 24th. The first grass frost in the autumn arrived on October 15th. The earliest autumn frost in the screen came soon after, on October 28th—an interval of 203 days without a screen frost. During the year there were 28 frosts in the screen, slightly more than the usual number, 24; but exposed on the grass the thermometer fell to freezing point on no less than 112 mornings, which is many more than the usual 71 frosty mornings. A sequence of 35 successive

cold nights of ground frosts without a single break terminated on February 18th. Even April gave us the unusual number of 17 ground frosts. Ice this year was visible each day from February 1st to February 25th—a very unusual event at Totland. Snow was visible on the ground for each of the first 14 days of April. The continuous cold of the first 3 months of the year killed off a number of birds. Swallows were rather late in arriving. I did not notice one until April 21st, but they lingered here about as late as usual, until November 12th. Hawthorn was not in full bloom until May 14th, which is decidedly late for Totland Bay.

**Sea Temperature.**—For the early part of the year, the sea was exceptionally cold; even so late as April 1st it only got up to 40.2 Fah. During the second week of February the sea cooled down to 35.1 Fah. Winters frequently go by here when bathers would not find the sea below 40 Fah. The coldest time is usually reached about the middle of February. With the warmer days of June the sea got up to 60.2 Fah. on June 17th, which was the warmest day of the year in the air, with a shade temperature of 82.1 Fah. The warmest sea I measured was 63.1 Fah. off the Pier on July 22nd. The sea was up to 60.4 as late as October 1st. After that date the sea rapidly cooled, getting down to 54 Fah. on October 21st and to 40 Fah. on December 31st.

**Bright Sunshine.**—The total amount of sunshine this year was just about the average. June was a brilliant month, with no less than 274 hours of bright sunshine. I have only known one brighter June, viz., June, 1908, with 297 hours of bright sunshine. October this year was brighter than any preceding October; so also December was more sunny than any preceding December. On December 3rd there were 7.2 hours of bright sunshine—the sunniest December day I have ever registered. On December 9th I was gathering ripe raspberries in the garden, but 3 degrees of frost on December 12th spoilt the remainder. July and August were both exceptionally dull. On 57 days this year there was no sunshine to record; this was very nearly the same as our usual number of 59 sunless days. Out of 174 sunshine observation stations in the British and Channel Islands, Totland comes out among the first dozen for the largest amount of bright sunshine.

**Rainfall.**—After a continuous run of 5 wet years with heavy rainfall, at last there has been a dry year. During 1917 the total rainfall amounted to only 25.27 inches. This is very different to 34.12 inches, the average of the 5 preceding years 1912—1916. The average for 30 years at Totland Bay is 28.94 inches. Only one month in 1917 gave us as much as 4 inches of rain. It usually falls to October to be the wettest month, but this year August claimed that unfortunate distinction. The wettest day of the year was July 7th with a downpour of 1.31 inches. August 1st was accompanied by a thunderstorm, and 27th with a South-Westerly gale; also each gave us over an inch of rain. November provided less rain than any other month of the year. There were only 145 wet days in 1917 which total is considerably less than our usual number of 163 wet days. In November there were only 8 wet days. I have never known fewer wet days in any November.

Springs were above average strength all the year, thanks to the preceding 5 very wet years. It was quite late in the autumn before the springs showed the least sign of rising for the coming winter.

Many persons hold to the theory that the use of heavy guns and explosives in the present war greatly increase the rainfall. If this be carefully gone into one ought to notice that for the years 1915, 1916, 1917 the 3 years' total rainfall was 92.88 inches, while the total rainfall for the 3 preceding years—1912, 1913, 1914—amounted to 103.00 inches. Furthermore, during the war, by far the wettest months were December, 1914, and December, 1915, with rainfalls of 9.04 and 8.88 inches respectively. I do not imagine the greatest amount of explosives were used during these two of the darkest months either at the battle front or on the practice shooting nearer home in the Isle of Wight or Solent.



# BAROMETRIC PRESSURE FOR 1917.

(REDUCED TO SEA LEVEL AND 32° FAH.)

Months.	Mean Inches.	Extremes.	
		Highest.	Lowest.
January ... ..	29.923	30.320	29.055
February ... ..	30.139	30.469	29.792
March ... ..	29.859	<b>30.712</b>	29.129
April ... ..	29.959	30.591	29.145
May ... ..	29.992	30.334	29.627
June ... ..	30.060	30.360	29.644
July ... ..	30.093	30.327	29.748
August ... ..	29.814	30.114	29.011
September ... ..	30.127	30.409	29.802
October ... ..	29.842	30.325	<b>28.963</b>
November ... ..	30.170	30.639	29.415
December ... ..	30.239	30.543	29.327
Year ... ..	30.018	30.712	28.963

NOTE.—Highest reading during 1917 ... 30.712 inches on 16th March.

Lowest reading during 1917 ... 28.890 ,, on 8th January.

## EXTREME READINGS:—

<i>Inches.</i>	<i>Inches.</i>
High ... 30.858 on 30th Jan., 1896.	Low ... <b>28.400</b> on 8th Dec., 1886.
„ ... 30.904 on 15th Jan., 1902.	„ ... 28.430 on 11th Nov., 1891.
„ ... 30.972 on 27th Jan., 1905.	„ ... 28.405 on 29th Dec., 1899.
„ ... 30.994 on 28th Jan., 1905.	„ ... 28.524 on 19th Feb., 1900.
„ ... <b>30.999</b> on 29th Jan., 1905.	„ ... 28.599 on 5th Nov., 1916.
„ ... 30.902 on 12th Dec., 1905.	„ ... 28.563 on 18th Nov., 1916.

The barometer on 29th January, 1905, was probably higher than 30.999 inches about 2 a.m., since at that hour my self-recording aneroid was one-twentieth of an inch higher than at 9 a.m.

## HUMIDITY FOR 1917.

(SATURATION = 100.)

Months.		1917.	Average since Oct., 1886.	Extreme Readings.
January	...	79.7	85.7	<b>36</b> on 3 Jan., 1894
February	...	80.4	84.4	38 11 Feb., 1895
March	...	82.6	83.1	39 3 Mar., 1892
April	...	72.2	78.7	47 { 26 April, 1893 14 April, 1903
May	...	75.6	76.3	50 26 May, 1914
June	...	74.8	77.6	42 8 June, 1906
July	...	79.4	77.3	41 { 18 July, 1901 7 July, 1917
August	...	82.8	78.3	51 14 Aug., 1911
September	...	83.7	79.7	48 8 Sept., 1911
October	...	80.4	83.8	59 { 26 Oct., 1893 17 Oct., 1905
November	...	85.4	85.6	55 28 Nov., 1890
December	...	82.6	86.1	44 28 Dec., 1908
Year	...	80.0	81.4	36 3 Jan., 1894

NOTE.—Driest atmosphere in 1917: Humidity 41 on 7th July, at 2 p.m., with fresh East wind, temperature 71.8 Fah. This dry reading was followed by a heavy thunderstorm and rainfall of 1.31 inches, lasting from 8 to 11 p.m. with the nearest flash only half a mile away.

May is usually the driest month of the year. April this year claims that distinction.

### DRIEST ATMOSPHERE AT 9 A.M. SINCE OCTOBER, 1886.

			Dry Bulb.	Wet Bulb.	Humidity.	
Dry cold,	3 March, 1892	...	30.0	25.0	39	Strong East wind
„	3 Jan., 1894	...	27.0	23.0	<b>36</b>	Strong East wind
„	4 Jan., 1894	...	24.0	21.0	39	Strong East wind
„	11 Feb., 1895	...	28.0	23.8	38	Strong East wind
„	24 Jan., 1907	...	22.7	20.1	42	Light N.E. wind
„	3 Jan., 1908	...	24.9	21.9	41	North-East wind
Dry heat,	18 July, 1901	...	76.8	61.7	<b>41</b>	East wind
„	8 June, 1906	...	61.9	49.2	42	North-East wind

## WIND DIRECTION IN 1917.

		N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.	Calm.
		NUMBER OF DAYS.								
January	...	5	6	7	0	0	1	5	7	0
February	...	4	7	5	3	1	3	5	0	6
March	...	9	2	2	6	1	3	7	1	6
April	...	3	6	0	0	2	5	6	8	1
May	...	2	12	5	4	0	2	6	0	4
June	...	4	2	3	4	5	7	3	2	1
July	...	3	3	3	6	1	6	3	6	0
August	...	0	2	0	3	0	17	4	5	2
September	...	2	0	1	4	1	12	8	2	2
October	...	2	0	1	1	1	6	9	11	9
November...	...	0	2	1	2	1	4	9	11	6
December	...	9	4	3	3	1	2	5	4	2
Year 1917	...	43	46	31	36	14	68	70	57	39
Total 18 Years	...	589	892	496	677	446	1191	1376	910	...
Average Year	...	32	49	28	38	25	66	76	51	...

The greatest amount of wind registered for one day in 1917 was 550 miles for the 24 hours ending 9 a.m. on 7th October, with a S.W. gale.

On 19th July, there was a S.W. gale with 510 miles of wind.

The greatest amount of wind for one month in 1917 was 8920 miles during October. The quietest day was February 21st, with only 8 miles of wind.

In previous years I have registered—

776 miles for the 24 hours ending 9 a.m. on 13th December, 1903.

11,185 miles during month of March, 1903.

## RAINFALL AND WET DAYS FOR 1917.

RAINFALL.		Months.				WET DAYS.	
1917.	Average since October, 1886.					1917.	Average since October, 1886.
INCHES.	INCHES.						
1.10	2.22	January	...	...	...	7	15.1
1.35	2.07	February	...	...	...	10	13.9
2.26	2.22	March	..	...	...	21	15.3
2.70	1.69	April	...	...	...	10	12.0
1.75	1.66	May	...	...	...	10	10.9
1.01	1.83	June	...	...	...	8	10.6
3.18	1.97	July	...	...	...	9	10.8
4.30	2.45	August	...	...	...	20	13.0
1.70	2.12	September	...	...	...	11	10.8
3.95	4.41	October	...	...	...	21	18.0
0.80	2.97	November	...	...	...	8	15.3
1.17	3.33	December	...	...	...	10	17.6
25.27	28.94	Year	...	...	...	145	163.3

### NINE VERY WET DAYS DURING 1917.

	<i>Inches.</i>		<i>Inches.</i>		<i>Inches.</i>
2 April	... 0.96	30 July	... 0.57	17 September	... 0.54
26 May	... 0.73	1 August	... 1.13	16 October	... 0.75
7 July	... 1.31	27 „	... 1.12	29 „	... 0.52

January, November, and December were exceptionally dry.  
April, July, and August were very wet.

A partial drought of 39 days terminated on 18th February, with rainfall	<i>Inches.</i>
„ „ 32 „ „ 19th May, „ „	0.39
„ „ 27 „ „ 23rd June, „ „	0.24
„ „ 29 „ „ 7th December, „ „	0.23
	0.26

An absolute drought of 21 days terminated on May 9th.

The 4 partial droughts gave a deficiency of 820 tons of water to the acre.

The absolute drought „ „ 112 „ „ „ „

The driest month of the year is usually May, but June has on the average the smallest number of wet days.

The month of October as a rule gives us the heaviest rainfall and greatest number of wet days.



## RAINFALL EXTREMES SINCE OCT., 1886.

### Wet Days. INCHES

1891—August 20 ...	1.93
„ —October 21 ...	1.75
1894—November 11...	2.44
1909—October 28 ...	2.11
1914—December 9 ...	1.94
1915—September 24	2.56

### Wet Months.

1891—October ...	10.45
1896—September ...	8.19
1903—October ...	8.40
1909—October ...	9.12
1914—December ...	9.07
1915—December ...	8.88

### Wet Quarters.

1891—Oct., Nov., Dec.	18.12
1911—Oct., Nov., Dec.	16.96
1914—Oct., Nov., Dec.	17.47
1915—Oct., Nov., Dec.	15.33

### Wet Half-Years.

1891—July-December	27.10
1903—July-December	21.18
1909—July-December	23.16
1914—July-December	24.26
1915—July-December	23.48

### Wet Years.

1891 ... ..	36.74
1903 ... ..	35.36
1912 ... ..	35.24
1914 ... ..	36.46
1915 ... ..	37.33

### Dry Months. INCHES

1893—April ... ..	0.01
1895—February ...	0.10
„ —September ...	0.11
1910—September ...	0.12
1911—July ... ..	0.15
1912—April ... ..	0.12

### Dry Quarters.

1893—April, May, June	1.94
1906—July, Aug., Sept.	2.48
1907—Jan., Feb., Mar.	2.39
1911—July, Aug., Sept.	1.87
1914—April, May, June	2.46

### Dry Half-Years.

1892—Jan.-June ...	5.99
1896—Jan.-June ...	6.53
1911—April-September	5.98

### Dry Years.

1896 ... ..	24.70
1899 ... ..	22.05
1902 ... ..	24.71
1905 ... ..	24.65
1908 ... ..	21.68

Longest period without rain—16th March to 29th April, 1893.

Greatest number of wet days in one year—195 during 1912.

Smallest number of wet days in one year—135 during 1895 and 1899.

Longest partial drought—97 days, March 17th to June 21st, 1893.

			Inches.
Rainfall during 1903 at Dawson, Canada, N.W.	...	...	10.74
„ „ 1912 at Snowdon, Lluchfa	...	...	246.68
„ „ 1914 at Stye, Cumberland	...	...	188.45
„ „ 1916 at Seathwaite, Cumberland	...	...	141.36

## TWENTY-THREE YEARS' DROUGHTS.

1895	18 days ending	23 Feb.	1906	15 days ending	30 Sept.
	15	16 May	1907	15	1 April
	20	30 Sept.		15	22 Sept.
1896	19	19 May	1908	21	7 July
	15	23 July		26	12 Aug.
1898	20	21 July	1909	15	16 May
	18	16 Sept.		20	16 Aug.
1899	15	2 March	1910	16	3 April
	24	17 June	1911	24	24 July
	19	27 Aug.	1912	21	30 April
	21	30 Nov.		27	27 Sept.
1900	18	24 Sept.	1913	20	8 Aug.
1901	19	5 May	1914	18	28 April
	19	28 May		28	11 Oct.
1903	15	4 July	1915	14	22 June
1904	16	18 July	1916	30	11 Aug.
			1917	21	9 May

### EXTREME DRY MONTHS.

Month.	Year.	Inches.
January...	1914	... '45
February	1895	... '10
March ...	1898	... '35
April ...	1893	... '01
May ...	1895	... '30
June ...	1908	... '54
July ...	1911	... '15
August ...	1890	... '45
September	1895	... '11
October...	1897	... '82
November	1901	... '51
December	1905	... '65

### EXTREME WET MONTHS.

Month.	Year.	Inches.
January...	1906	... 6'80
February	1900	... 5'07
March ...	1914	... 5'45
April ...	1907	... 3'97
May ...	1904	... 3'19
June ...	1912	... 3'77
July ...	1893	... 5'18
August ...	1912	... 5'80
September	1896	... 8.19
October...	1891	... 10'45
November	1894	... 5'79
December	1914	... 9'07



# **CLOUD, FOG, FROST, SNOW, IN 1917.**

	Cloud Amount 0—10	Fog.	Frost in Air at or below 32.0 Fah.	Ground Frost at or below 32.0 Fah.	Ground Frost at or below 30.4 Fah.	Snow.
NUMBER OF DAYS.						
January ...	6.6	0	...	24	22	3
February ...	5.6	11	11	20	19	3
March ...	6.3	2	2	23	21	9
April ...	4.9	0	...	17	16	11
May ...	4.8	5	...	...	...	...
June ...	4.6	2	...	...	...	...
July ...	6.3	1	...	...	...	...
August ...	7.3	2	...	...	...	...
September ...	5.7	1	...	...	...	...
October ...	4.2	1	1	3	2	...
November ...	7.0	3	...	4	2	...
December ...	6.1	3	14	21	18	2
Year ...	5.8	31	28	112	100	28
Total 18 Years	100.7	471	444	1287	...	180
Average Year	5.6	26	25	71	...	10

NOTE.—April 21st, Swallows first seen.  
 April 23rd, House Martins first seen.  
 May 5th, Sand Martins.  
 May 6th, Swifts first seen.  
 May 9th, Cuckoo first heard.  
 August 30th, Swifts last seen.  
 November 4th, House Martins last seen.  
 November 12th, Swallows last seen.

# TEMPERATURE OF THE AIR FOR 1917.

Months.		Extreme Range.	Average.		
			Max.	Min.	Mean.
January	...	52.1—24.9	38.6	33.7	36.1
February	...	51.2—21.7	40.4	30.8	35.6
March	...	54.9—23.1	44.6	34.5	39.5
April	...	60.3—29.8	49.7	36.6	43.2
May	...	74.0—38.8	63.2	47.0	55.1
June	...	82.1—48.6	66.1	52.9	59.5
July	...	73.0—47.2	66.3	54.6	60.4
August	...	70.8—52.5	64.0	56.9	60.4
September	...	70.2—45.3	63.8	53.8	58.8
October	...	66.0—30.0	55.6	44.8	50.2
November	...	56.9—34.9	52.3	44.6	48.4
December	...	52.8—25.9	42.0	34.1	38.1
Year	...	82.1—21.7	53.9	43.7	48.8

1917.

NOTES.—On February 5th the temperature fell to 21.7 Fah.—the coldest day of the year.

On June 17th the temperature rose to 82.1 Fah.—the warmest day of the year. (93.2 Fah. at Greenwich Observatory on same day.)

Latest spring frost in screen occurred on April 7th, the thermometer falling to 29.9 Fah.

Latest spring frost on grass occurred on April 30th, the thermometer falling to 31.3 Fah.

Earliest autumn frost on grass occurred on October 15th, the thermometer falling to 31.3 Fah.

Earliest autumn frost in screen occurred on October 28th, the thermometer falling to 30.0 Fah.

The coldest month of the year was February, with a very low mean temperature of 35.6 Fah.

The warmest month of the year was August, with a mean temperature of 61.4 Fah.

On 29th January the temperature did not rise above 30.1 Fah.

On 23rd August the temperature did not fall below 60.5 Fah,



# EXTREME RANGE OF TEMPERATURE AND AVERAGE TEMPERATURE OF THE YEAR.

From Readings taken since October, 1886.

Months.	Extreme Range.	Average.			<i>Green- wich Mean.</i>
		Max.	Min.	Mean.	
January ...	60.0—14.0	44.6	36.7	40.7	38.6
February ...	58.0—16.0	44.8	36.1	40.4	39.6
March ...	65.2—19.6	47.8	37.3	42.6	41.9
April ...	74.0—27.3	53.4	40.8	47.1	47.3
May ...	77.2—34.0	59.9	46.0	53.0	53.1
June ...	84.0—40.0	64.4	51.4	57.9	59.4
July ...	86.0—43.8	67.4	55.1	61.3	62.7
August ...	86.6—39.0	67.2	55.7	61.4	61.6
September ...	80.5—39.3	64.2	52.0	58.1	57.2
October ...	72.5—28.0	57.2	46.9	52.1	50.0
November ...	61.7—20.0	50.7	42.0	46.4	43.5
December ...	59.0—16.1	46.7	38.6	42.6	39.9
Year ...	86.6—14.0	55.7	44.9	50.3	49.6

5th and 6th January, 1894, temperature fell to 14.0 Fah.

5th February, 1895, temperature did not rise above 24.0 Fah.

25th August, 1899, temperature did not fall below 67.1 Fah.

13th August, 1911, temperature rose to 86.6 Fah.

Longest period of continuous frost—5th, 6th, 7th, 8th Feb., 1895, during which days temperature did not rise above 30° Fah.

Date of latest spring frost in screen—26th April, 1908.

Earliest date of last spring frost in screen—25th January, 1914.

Average date of latest spring frost in screen—March 23rd.

Date of earliest autumn frost in screen—17th October, 1905.

Average date of earliest autumn frost in screen—November 20th.

## EXTREME HEAT.

Totland Temperature over 80° Fah. since Oct., 1886.				Hot Days in other places.			
FAH.				FAH.			
1893—June 17	...	81.0		1900—July 20, Paris	...	100	
„ „ 18	...	83.0		„ „ 25, Madrid	...	107	
„ „ 19	...	84.0		1901—June 20, Aberystwith	...	93	
1898—Sept. 17	...	80.5		1904—Sept. 3, Durban...	...	101	
1899—July 20	...	81.0		„ Dec. 31, <b>Adelaide</b>	...	<b>114</b>	
„ —Aug. 3	...	83.0		1906—May 27, Madras...	...	111.5	
1900—July 19	...	86.0		„ Sept. 2, Dumfries	...	89	
1901—July 19	...	81.2		„ „ 3, Cromer...	...	93.4	
„ —Aug. 20	...	81.2		1911—July 3, Toronto	...	103.2	
1904—July 10	...	81.1		„ „ 13, Killarney	...	88	
1906—Aug. 30	...	80.1		„ „ 22, Margate	...	94	
1908—June 4	...	82.3		„ „ 22, Sandown	...	87.3	
„ —July 2	...	80.7		„ Aug. 9, Lincoln...	...	96	
1909—Aug. 9	...	80.3		„ „ 9, Rugby ...	...	96	
1911—June 6	...	80.2		„ „ 9, Cambridge	...	96	
„ —July 7	...	80.4		„ „ 9, Winslow	...	94	
„ „ 8	...	83.9		„ „ 9, Oxford ...	...	95	
„ „ 12	...	82.3		„ „ 9, Berkhamsted	...	95.9	
„ „ 13	...	82.5		„ „ 9, Hillington	...	97.1	
„ „ 14	...	82.0		„ „ 9, Isleworth	...	99	
„ „ 22	...	82.0		„ „ 9, Camden Square	...	97.1	
„ „ 23	...	81.0		„ „ 9, Kew Observatory	...	95	
„ „ 29	...	85.2		„ „ 9, Westminster	...	96	
„ —Aug. 8	...	80.1		„ „ 9, South Kensington	...	97	
„ „ 9	...	83.2		„ „ 9, <b>Greenwich</b>	...	<b>100</b>	
„ „ 10	...	85.7		„ „ 9, Marlborough	...	96	
„ „ 11	...	82.1		„ „ 9, Epsom ...	...	98	
„ „ 12	...	85.1		„ „ 9, Tunbridge Wells	...	95.3	
„ „ 13	...	<b>86.6</b>		„ „ 9, Canterbury	...	98	
„ „ 14	...	84.2		„ „ 9, Wokingham	...	97	
1912—July 15	...	84.9		„ „ 9, Newport, I.W. ...	...	92.5	
„ „ 16	...	82.4		„ „ 10, Ventnor	...	87	
1916—July 31	...	80.0		„ „ 10, Weymouth	...	87	
1917—June 17	...	82.1		„ „ 13, Salisbury	...	96	
				„ Sept. 7, Jersey ...	...	89	
				„ „ 8, Guernsey	...	87	
				1912—July 15, Portsmouth	...	90	



## EXTREME COLD.

Totland Temperature below 20° Fah. since Oct., 1886.			Cold days in other places.		
		FAH.			FAH.
1890—Dec. 31	...	19.0	1885—Jan. 15, Verkhoyansk*	...	—90.0
1891—Jan. 18	...	19.0	1890—Dec., Rugby	...	1.0
„ „ 19	...	19.0	1891—Jan. 19, Torquay	...	14.0
1894—Jan. 5	...	<b>14.0</b>	„ „ 19, Southampton	...	13.0
„ „ 6	...	<b>14.0</b>	1892—Feb. 17, Loughborough	...	0.0
1895—Jan. 11	...	19.0	1894—Jan. 5, Eastbourne	...	14.7
„ —Feb. 6	...	17.0	„ „ 5, Brighton	...	13.2
„ „ 7	...	17.0	„ „ Ventnor	...	15.6
„ „ 8	...	19.0	„ „ Weymouth	...	15.4
„ „ 9	...	16.2	1895—Jan. 28, Llandovery	...	—2.0
1908—Dec. 30	...	16.1	„ Feb. 7, Bath	...	7.0
1909—Mar. 3	...	19.6	„ „ 7, Cambridge	...	3.8
			„ „ 8, Greenwich	...	6.9
			„ „ 8, Oxford	...	7.5
			„ „ 8, Croydon	...	0.7
			„ „ 8, Hereford	...	—1.6
			„ „ 8, Halifax	...	—1.0
			„ „ 8, Carlisle	...	0.5
			„ „ 9, Osborne	...	13.9
			„ „ 9, Salisbury	...	4.4
			„ „ 11, Braemar	...	—17.0
			„ „ 11, Buxton	...	—11.1
			„ „ Tunbridge Wells	...	4.4
			1903—Jan. 26, Dawson	...	—60.8
			„ May 16, Cape Armitage†	...	—67.7
			1904—Jan. 18, Winnipeg	...	—42.0
			„ Nov. 24, Oundle	...	9.4
			1908—Dec. 30, Newport, I.W.	...	8.0
			„ „ 30, Liphook, Hants	...	—1.0
			1909—Jan. 1, Harrogate	...	13.0
			„ Feb. 23, Wokingham	...	7.0
			„ Mar. 3, Marlborough	...	0.0
			„ „ 6, Balmoral	...	5.0

\* Verkhoyansk in Eastern Siberia.

† Cape Armitage in Ross Island, Antarctic, 167 E., 77 $\frac{3}{4}$  S.

## Average Daily Maximum Temperature for 31 Years.

	Jan.	Feb.	Mar	Apr.	May	Jun.	July	Aug.	Sep.	Oct.	Nov.	Dec.
1	45	44	46	52	55	63	67	67	66	61	54	48
2	45	43	45	51	55	63	66	67	64	60	54	47
3	44	44	44	51	56	64	66	68	66	60	54	48
4	45	44	45	51	57	65	67	67	66	59	54	48
5	45	44	46	51	58	64	67	67	66	59	53	48
6	45	45	47	52	58	63	66	67	66	59	53	49
7	44	45	46	53	58	64	68	67	67	58	52	48
8	45	46	46	53	59	64	67	68	67	59	52	48
9	46	45	48	53	59	64	67	68	66	59	53	48
10	46	46	47	53	59	64	67	69	64	58	52	48
11	44	45	47	53	59	64	68	67	65	59	53	47
12	44	44	47	51	61	64	67	68	66	59	53	48
13	44	45	47	52	61	63	67	69	64	58	52	48
14	44	45	49	52	61	64	69	69	63	57	51	47
15	44	46	48	52	60	64	69	68	63	57	51	47
16	45	45	48	52	60	64	68	68	65	57	50	48
17	44	46	48	53	60	65	68	67	64	57	49	47
18	45	45	48	53	60	65	68	67	64	58	49	46
19	45	46	48	54	60	64	68	67	63	57	48	46
20	45	45	49	55	59	64	68	67	63	56	49	44
21	44	46	49	55	60	64	67	67	63	55	49	45
22	44	45	49	55	62	65	67	67	63	56	49	46
23	44	45	49	55	63	65	67	67	63	56	49	45
24	45	45	49	55	62	63	68	67	64	56	49	46
25	44	45	49	56	63	66	67	67	63	55	49	46
26	44	45	49	55	63	66	67	66	64	55	49	45
27	45	46	49	55	62	67	68	66	63	55	49	45
28	45	45	49	56	62	67	68	66	63	55	48	45
29	44	45	50	55	63	66	68	67	61	56	48	45
30	44		51	55	62	67	68	67	62	54	48	44
31	44		52		62		68	66		54		44
Mean	45	45	48	53	60	64	67	67	64	57	51	47



## Average Daily Minimum Temperature for 31 Years.

	Jan.	Feb.	Mar.	Apr.	May	Jun.	July	Aug.	Sep.	Oct.	Nov.	Dec.
1	36	37	36	38	44	50	54	56	54	49	45	40
2	36	35	36	38	44	51	54	56	55	50	45	40
3	37	35	34	40	44	50	54	56	52	50	45	39
4	38	36	35	40	44	50	53	57	54	50	45	39
5	37	36	36	39	45	51	54	56	54	49	44	40
6	36	37	37	40	45	52	54	56	52	49	43	40
7	38	37	38	40	45	51	54	56	54	48	42	40
8	37	37	37	39	45	49	54	56	54	48	42	41
9	38	37	38	40	45	51	55	55	54	49	44	40
10	38	37	38	41	45	51	55	56	53	48	44	40
11	36	38	38	41	45	50	54	55	52	49	44	39
12	37	35	37	40	46	51	55	56	52	47	44	38
13	36	35	37	40	45	50	55	56	52	47	44	39
14	37	36	38	41	47	51	55	58	52	47	44	40
15	36	37	37	40	47	49	56	57	51	48	42	40
16	37	36	37	40	45	50	56	56	52	48	42	39
17	37	36	38	40	46	50	56	56	53	48	41	38
18	36	36	39	40	46	51	56	56	52	47	40	38
19	37	37	38	41	45	51	55	56	51	47	39	38
20	37	36	38	41	47	52	55	56	51	46	41	37
21	37	36	37	43	46	52	56	55	49	46	41	37
22	38	37	37	42	47	52	56	56	50	44	40	36
23	36	36	38	43	48	53	57	56	51	45	40	37
24	36	36	38	42	49	53	56	56	52	45	40	37
25	36	36	39	42	48	54	57	56	51	44	40	37
26	37	36	37	41	48	53	56	56	52	44	39	38
27	37	37	37	42	47	53	56	56	52	45	39	37
28	37	36	38	43	47	54	56	55	52	45	40	38
29	36	35	39	43	48	54	56	56	51	46	41	37
30	36		38	43	50	53	55	56	50	45	40	36
31	35		39		49		56	55		45		36
Mean	37	36	37	41	46	51	55	56	52	47	42	39

# **Average Daily Mean Temperature for 31 Years.**

	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sep.	Oct.	Nov.	Dec.
1	41	40	41	45	49	56	60	62	60	55	50	44
2	40	39	41	45	50	57	60	62	60	55	50	43
3	41	40	39	46	50	57	60	62	59	55	50	44
4	41	40	40	46	50	57	60	62	60	55	50	44
5	41	40	41	45	52	57	60	61	60	54	49	44
6	41	41	42	46	51	58	60	62	59	54	48	45
7	41	41	42	46	51	57	61	61	61	53	47	44
8	41	41	42	46	52	57	60	62	61	54	47	44
9	42	41	43	47	52	58	61	62	60	54	49	44
10	42	41	43	47	52	57	61	63	59	53	48	44
11	40	42	42	47	52	57	61	61	58	54	48	43
12	40	39	42	46	54	57	61	62	59	53	48	43
13	40	40	42	46	53	57	61	62	58	53	48	43
14	40	40	43	46	54	57	62	63	58	52	47	44
15	40	41	43	46	53	56	63	62	57	53	47	43
16	41	40	42	46	52	57	62	62	58	53	46	43
17	41	41	43	47	53	58	62	61	58	53	45	42
18	41	41	43	47	53	58	62	62	58	53	44	42
19	41	42	43	48	53	57	62	62	57	52	43	42
20	41	41	43	48	53	58	62	61	57	51	45	41
21	41	41	43	49	53	58	61	61	56	51	45	41
22	41	41	43	49	54	59	62	62	56	50	45	41
23	40	40	44	49	55	59	62	62	57	51	44	41
24	40	40	43	49	55	58	62	62	58	51	44	42
25	40	41	44	49	56	60	62	61	57	50	44	42
26	40	41	43	48	55	60	61	61	58	50	44	42
27	41	42	43	49	54	60	62	61	58	50	44	41
28	41	40	44	50	55	61	62	61	58	50	44	42
29	40	40	45	49	56	60	62	61	56	51	44	41
30	40		45	49	56	60	62	61	56	50	44	40
31	40		46		56		62	61		50		40
Mean	41	40	43	47	53	58	61	61	58	52	46	43

**Average Weekly Temperature for 31 years.**

FIRST QUARTER.				THIRD QUARTER.			
<i>Week ending</i>	<i>Max.</i>	<i>Min.</i>	<i>Mean.</i>	<i>Week ending</i>	<i>Max.</i>	<i>Min.</i>	<i>Mean.</i>
Jan. 7 ...	44.8	37.0	40.9	July 7 ...	66.6	53.9	60.2
„ 14 ...	44.8	37.0	40.9	„ 14 ...	67.4	54.6	61.0
„ 21 ...	44.8	36.9	40.8	„ 21 ...	68.2	55.7	61.9
„ 28 ...	44.4	36.4	40.4	„ 28 ...	67.3	56.3	61.8
Feb. 4* ...	44.0	35.8	39.9	Aug. 4 ...	67.7	55.9	61.8
„ 11 ...	45.1	36.9	41.0	„ 11 ...	67.6	55.7	61.7
„ 18 ...	45.1	35.8	40.4	„ 18† ...	67.9	56.3	62.1
„ 25 ...	45.3	36.2	40.7	„ 25 ...	67.1	55.8	61.4
Mar. 3 ...	45.1	35.6	40.4	Sept. 1 ...	66.2	55.4	60.8
„ 10 ...	46.4	37.0	41.7	„ 8 ...	66.0	53.7	59.8
„ 17 ...	47.9	37.1	42.5	„ 15 ...	64.4	52.1	58.3
„ 24 ...	48.8	37.6	43.2	„ 22 ...	63.6	51.1	57.3
„ 31 ...	50.0	38.3	44.2	8 days 30 ...	62.9	51.5	57.2
	45.9	36.7	41.3		66.4	54.4	60.4
SECOND QUARTER.				FOURTH QUARTER.			
April 7 ...	51.6	39.4	45.5	Oct. 7 ...	59.4	49.3	54.4
„ 14 ...	52.4	40.2	46.3	„ 14 ...	58.4	47.9	53.2
„ 21 ...	53.4	40.9	47.1	„ 21 ...	56.9	46.9	51.9
„ 28 ...	55.6	42.3	48.9	„ 28 ...	55.4	44.8	50.1
May 5 ...	56.0	43.7	49.8	Nov. 4 ...	54.4	45.3	49.9
„ 12 ...	59.0	45.2	52.1	„ 11 ...	52.6	43.3	47.9
„ 19 ...	60.1	45.9	53.0	„ 18 ...	50.6	42.4	46.5
„ 26 ...	61.8	47.5	54.6	„ 25 ...	48.7	40.1	44.4
June 2 ...	62.4	48.8	55.6	Dec. 2 ...	48.0	39.8	43.9
„ 9 ...	64.1	50.4	57.3	„ 9 ...	48.2	39.9	44.0
„ 16 ...	63.8	50.2	57.0	„ 16 ...	47.4	39.4	43.4
„ 23 ...	64.4	51.6	58.0	„ 23 ...	45.6	37.2	41.4
„ 30 ...	66.1	53.6	59.8	8 days 31 ...	45.1	37.1	41.1
	59.2	46.1	52.7		51.6	42.5	47.1

It should be noticed that the mean temperature of each week, during the 13 warm weeks, varies from 58.0 Fah. to 62.1 Fah.—only 4.1 degrees.

The mean temperature of each week during the 13 cold weeks varies from 42.5 Fah. to 39.9 Fah.—only 2.6 degrees.

\* The coldest week of the year is the 5th week.

† The warmest week of the year is the 33rd week.



## ANNUAL VARIATION OF TEMPERATURE,

Showing Highest and Lowest Temperatures for  
each year from 1887 to 1917.

Year.	Max.	Date.		Min.	Date.		Annual Variation
1887	80.0	July	5	24.0	Jan. 17	Feb. 17	56.0
1888	76.0	June	26	22.0	Feb.	25	54.0
1889	79.0	June	28	25.0	Jan. 6	Feb. 12	54.0
1890	77.0	May	26	23.0	March	4	54.0
1891	76.0	Sept.	13	19.0	Jan.	18, 19	57.0
1892	78.0	July	2	21.0	Feb.	17	61.0
1893	84.0	June	19	21.0	Jan.	1, 2, 3	63.0
1894	80.0	June	30	14.0	Jan.	5, 6	66.0
1895	79.0	Sept.	26	16.0	Feb.	9	63.0
1896	79.0	June	14	27.0	Feb. 25, 26 Dec. 17, 19		52.0
1897	80.0	Aug.	4	24.0	Jan. 19, 23, 24		56.0
1898	80.5	Sept.	7	29.6	Nov.	23	50.9
1899	83.0	Aug.	3	23.0	Dec.	14	60.0
1900	86.0	July	19	23.0	Feb.	1, 8	63.0
1901	81.2	July 19	Aug. 19	22.7	Jan.	9	58.9
1902	77.2	July	15	22.2	Feb.	16	55.0
1903	80.0	June	1	22.7	Jan.	15	57.3
1904	81.1	July	10	25.1	Jan.	1	56.0
1905	76.0	July 21, 27 Aug. 15		24.0	Jan.	2	52.0
1906	80.1	Aug.	30	26.8	Dec.	30	53.3
1907	74.3	July	16	20.4	Jan.	24	53.9
1908	82.3	June	4	16.1	Dec.	30	66.2
1909	80.3	Aug.	9	19.6	March	3	60.7
1910	73.9	May	23	20.9	Jan.	27	53.0
1911	86.6	Aug.	13	27.0	Feb.	2	59.6
1912	84.9	July	15	20.9	Feb.	3	64.0
1913	77.8	June	16	28.9	April	13	48.9
1914	79.5	July	1	24.8	Jan.	24	54.7
1915	75.2	May	26	24.9	Nov.	27	50.3
1916	80.0	July	31	25.7	Feb.	25	54.3
1917	82.1	June	17	21.7	Feb.	5	60.4
Mean	79.6	July	14	22.8	Jan.	25	56.8

The smallest variation of temperature, 48.9°, was in the year 1913, the next smallest variation, 50.3°, being in 1915.

The greatest variation of temperature, 66.2°, was in the year 1908, the next greatest variation, 66.0°, was in the year 1894.

## HALOS, GALES, LIGHTNING, THUNDER, HAIL, IN 1917.

	Solar Halos.	Lunar Halos.	Gales.	Light- ning.	Thun- der.	Hail.
January ...	1	2	1	...	...	...
February ...	1	...	...	...	...	...
March ...	3	1	...	...	...	2
April ...	...	1	1	...	...	2
May ...	4	...	...	5	5	...
June ...	3	...	...	1	4	...
July ...	4	...	1	1	1	...
August ...	1	...	2	...	1	...
September ...	...	...	...	...	...	...
October ...	3	1	5	...	...	3
November ...	...	...	1	...	...	...
December ...	...	...	1	...	...	...
Year ...	20	5	12	7	11	7
<i>Total 18 Years</i>	<i>285</i>	<i>70</i>	<i>426</i>	<i>183</i>	<i>204</i>	<i>132</i>
Average Year ...	16	4	24	10	11	7

March 18th, Butterflies appeared.

May 14th, Hawthorn in full bloom.

December 9th, Ripe Raspberries gathered in the open.

## HOURS OF BRIGHT SUNSHINE IN 1917.

HOURS OF BRIGHT SUNSHINE.		Months.	SUNLESS DAYS.	
1917.	Average since 1901.		1917.	Average since 1901.
48.1	66.7	January ... ..	13	10.8
90.3	88.1	February ... ..	8	6.7
104.8	125.6	March ... ..	8	5.8
202.9	186.0	April ... ..	0	2.2
219.2	224.7	May ... ..	2	1.8
274.5	221.7	June ... ..	1	1.6
199.9	233.3	July... ..	4	1.4
167.7	201.4	August ... ..	3	1.4
166.7	165.7	September ... ..	2	2.3
147.0	109.2	October ... ..	2	5.0
71.8	84.1	November ... ..	8	8.0
77.6	55.8	December ... ..	6	11.5
1770.5	1762.3	Year ... ..	57	58.8

For part of the year, owing to adjacent houses, I am unable to register any bright sunshine during the hour before sunset; therefore the true amount of bright sunshine at Totland is greater than my returns of 1770.5 and 1762.3 hours.

This year there was abundance of sunshine at Totland in June, October, and December.

There was not much bright sunshine in January, July, and August.

The brightest day of the year was June 14th with 14.7 hours of bright sunshine.

December 2nd and 3rd with 7.0 and 7.2 hours of bright sunshine are the sunniest December days I have ever registered at Totland.

Sunshine records are taken at 174 of 312 meteorological stations in the British Isles. Only 26 of these 174 stations recorded more than 1700 hours of bright sunshine during the year 1917. The following are the official records, viz. :—

HOURS.			HOURS.			HOURS.		
Guernsey—Brooklyn	1869	Bognor ... ..	... 1760	Ventnor ... ..	... 1731			
„ Villa Carey	1862	Hove ... ..	... 1758	Ryde ... ..	... 1722			
Felixstowe ... ..	1829	Bournemouth ... ..	... 1754	Torquay ... ..	... 1721			
Jersey—St. Aubins	1828	Littlehampton ... ..	... 1754	Brighton... ..	... 1720			
St. Leonards ... ..	1809	Broadstairs ... ..	... 1753	Portsmouth ... ..	... 1716			
Selsey Bill ... ..	1807	Sandown ... ..	... 1753	Penzance ... ..	... 1715			
Worthing ... ..	1805	Ramsgate ... ..	... 1742	Scilly—St. Mary's	1713			
Totland Bay ... ..	1772	Clacton-on-Sea ... ..	... 1740	Yarmouth ... ..	1708			
Eastbourne ... ..	1763	Haverfordwest ... ..	... 1732					



# **DAILY MEAN OF HOURS OF BRIGHT SUNSHINE IN 1917.**

	JANUARY.	FEBRUARY.	MARCH.	APRIL.	MAY.	JUNE.	JULY.	AUGUST.	SEPTEMBER.	OCTOBER.	NOVEMBER.	DECEMBER.	YEAR.
Aberdeen ...	0.7	3.4	1.6	4.8	5.4	8.0	6.1	2.7	4.5	3.6	2.0	1.2	3.8
Scarborough ..	0.6	1.9	3.5	4.1	6.1	6.3	5.8	4.1	4.5	3.7	1.6	1.3	3.6
Cromer ...	0.9	2.0	2.9	4.8	8.3	7.6	7.1	5.4	6.2	5.1	2.3	2.2	4.6
Cambridge ...	0.7	1.1	2.5	4.3	7.4	7.2	7.4	5.2	5.3	5.0	2.0	2.0	4.2
Oxford ..	0.8	2.0	2.6	5.1	6.4	7.0	6.7	4.4	4.8	4.6	1.7	2.4	4.1
Rhyl ...	0.7	2.1	3.5	5.4	6.1	7.4	8.1	4.2	4.6	3.0	1.5	0.8	4.0
Dublin*	1.2	2.8	3.4	4.4	5.3	7.5	6.9	5.0	3.4	4.0	1.5	1.3	3.9
London*	0.5	0.8	2.0	4.3	6.3	6.6	6.5	5.1	5.1	3.9	1.3	1.5	3.7
Felixstowe ...	1.2	2.1	3.0	4.7	8.7	8.8	8.6	6.2	6.8	5.3	2.3	2.3	5.0
Ramsgate ...	1.2	2.6	2.9	5.0	7.4	8.0	7.6	6.0	6.7	4.7	2.3	2.7	4.8
St. Leonards	2.0	2.8	3.4	5.8	7.5	8.8	7.3	5.5	5.9	5.1	2.3	3.0	5.0
Eastbourne ...	1.7	2.5	3.1	5.7	7.3	8.6	7.2	5.9	5.9	5.0	2.2	2.7	4.8
Brighton ...	1.7	2.9	3.2	6.0	7.4	7.8	7.1	5.1	5.4	4.9	2.1	2.8	4.7
Worthing ...	1.7	3.1	3.4	6.4	7.3	8.6	7.3	5.7	5.9	5.0	2.3	2.6	5.0
Bognor ...	1.7	3.1	3.4	6.3	6.8	8.7	6.6	5.4	5.6	4.7	2.4	2.8	4.8
Selsey ...	1.5	3.0	3.6	6.9	7.2	9.1	7.1	5.9	5.8	4.4	2.4	2.5	5.0
Portsmouth...	1.5	2.7	3.3	6.6	6.7	8.4	6.6	5.5	5.6	4.8	2.4	2.4	4.7
Sandown ...	1.2	3.1	3.4	6.6	6.8	9.0	6.7	5.7	5.3	4.7	2.6	2.7	4.8
Ventnor ...	1.2	2.9	3.6	6.6	7.0	8.2	6.4	5.5	5.4	4.7	2.6	2.8	4.7
<b>Totland Bay</b>	<b>1.5</b>	<b>3.2</b>	<b>3.4</b>	<b>6.8</b>	<b>7.1</b>	<b>9.2</b>	<b>6.5</b>	<b>5.4</b>	<b>5.6</b>	<b>4.7</b>	<b>2.4</b>	<b>2.5</b>	<b>4.9</b>
Bournemouth	1.4	3.1	3.5	6.9	7.2	8.7	6.1	5.5	5.2	4.6	2.4	3.0	4.8
Weymouth ...	1.4	3.0	3.1	6.7	6.4	8.1	6.3	5.3	4.5	4.2	2.2	3.0	4.5
Torquay ...	1.3	3.0	4.1	7.1	7.1	8.1	6.4	5.7	4.5	4.2	2.3	2.8	4.7
Salcombe ...	1.5	2.5	4.0	7.0	7.4	8.1	6.9	5.8	4.2	3.7	1.8	2.8	4.7
Falmouth ...	1.6	2.5	4.7	7.9	6.4	7.3	6.2	5.9	4.1	3.4	1.3	2.3	4.5
Scilly*	1.1	2.6	3.9	8.4	6.4	8.6	7.1	6.4	5.2	3.5	1.3	1.7	4.7
Guernsey*	1.6	3.4	3.8	8.4	7.7	8.8	6.7	6.9	5.8	4.3	2.1	2.0	5.1
Jersey*	1.9	3.9	3.7	8.0	6.4	8.6	6.7	6.5	6.0	4.0	2.1	2.4	5.1

\* Dublin = Phoenix Park.

\* London = South Kensington.

\* Scilly = St. Mary.

\* Guernsey = Brooklyn.

\* Jersey = St. Aubins.

I am indebted to the Meteorological Office for kindly checking sunshine cards for the year.

**BRIGHT SUNSHINE EXTREMES SINCE 1901.**

<b>EXTREME BRIGHT MONTHS.</b>				<b>EXTREME DULL MONTHS.</b>			
			Hours.				Hours.
January	1908	..	99.1	January	1912	..	39.1
February	1907	..	100.3	February	1912	..	58.6
March	1907	..	194.2	March	1916	..	93.7
April	1912	..	261.0	April	1905	..	110.1
May	1909	..	350.7	May	1907	..	154.7
June	1908	..	297.6	June	1909	..	153.3
July	1911	..	377.5	July	1913	..	161.1
August	1911	..	252.0	August	1902	..	109.9
September	1911	..	241.4	September	1905	..	111.6
October	1917	..	147.0	October	1910	..	76.3
November	1909	..	127.6	November	1912	..	48.1
December	1917	..	77.6	December	1903	..	31.9

**BRIGHTEST SUNSHINE DAY OF ANY MONTH.**

			Hours.				Hours.
21 Jan., 1911, 28 Jan., 1912	8.1			12 July, 1911	..	..	15.3
27 February, 1914	..	9.6		1 August, 1908	..	..	14.2
29 Mar., 1912, 31 Mar., 1915	11.3			1 September, 1911	..	..	12.3
30 April, 1912	..	..	13.6	1 October, 1911	..	..	10.5
26 May, 1916	..	..	15.1	2 November, 1915	..	..	8.4
14 June, 1910	..	..	15.6	3 December, 1917	..	..	7.2